

Docket No. AUS000104US1

ABSTRACT OF THE DISCLOSURE

**METHOD AND APPARATUS FOR HARDWARE OPTIMIZATION
OF GRAPHICS PIPELINE FUNCTIONS**

A method and apparatus for optimizing processing of graphics data. An equation for use in processing graphics data is simplified by identifying variables in the equation that remain constant over a set of repeated operations. This simplified equation is implemented in a processing unit containing logic units, wherein the logic units are used to perform a graphics operation in which a set of constants is required for the graphics operation. A first set of connections is present in which these connections connect the logic units to each other, wherein the first set of connections are used to configure the plurality of logic units to determine the set of constants. A second set of connections connecting the logic units are present. This set of connections is used to configure the logic units to perform the graphics operation in which the graphics operation using the constants determined through the first set of connections.